

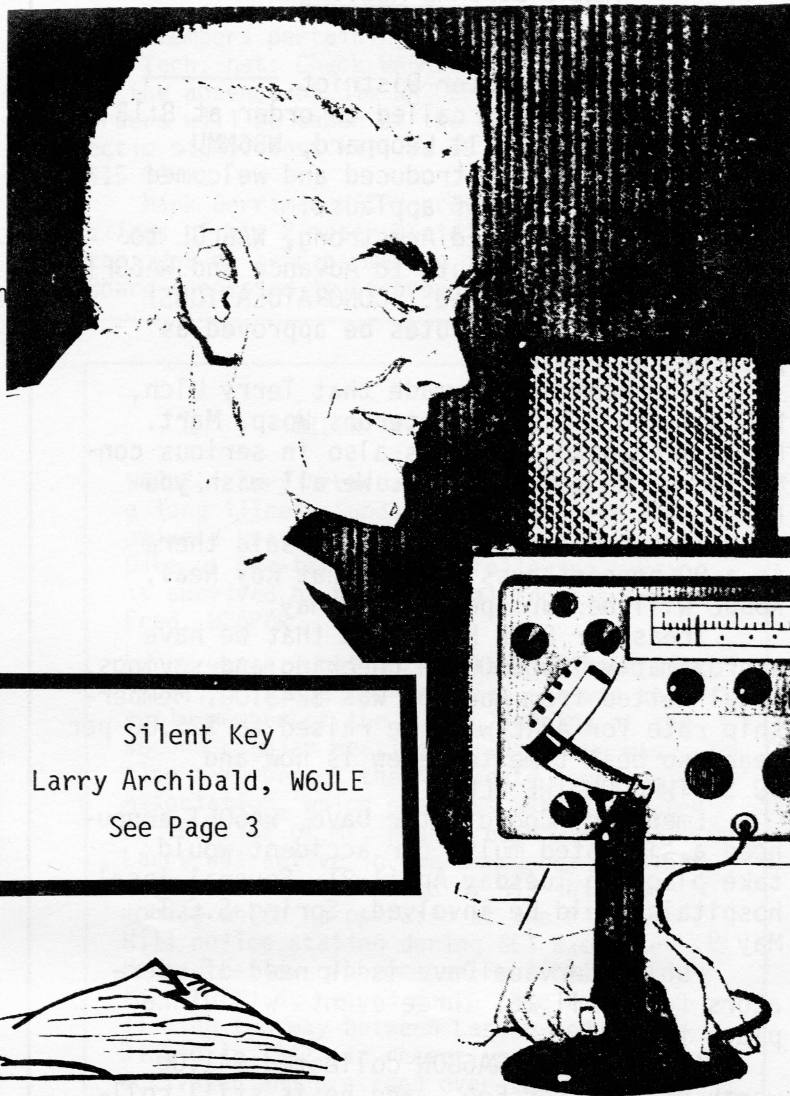
MEETING NOTICE

This month's meeting will be held at Grace Presbyterian Church, 2100 Tice Valley Blvd., Walnut Creek, on May 15th, at 8:00 p.m.

FREE BEER AND PRETZELS-to all attending next club meeting thru the generosity of our speaker: RUSS KA6BPN?

NO! But he thot that would get you attention

We are looking forward to this program Russ is a HAM in more ways than one-besides being so personable he is enthusiastic about everything, loads of fun to talk to, even moreso when he puts on a show. Russ is-Computerland in Concord, a riot at any affair. come early for good seats-its going to be a gas.



CIVIL DEFENSE

Emergency Frequency: 146.430
Thursdays, 8:30 P.M.

Silent Key
Larry Archibald, W6JLE
See Page 3

TECHNICAL FORUM

Thursdays at 8:00 P.M.
on WR6AHK 147.66/06



the CARRIER.....

Published Monthly by the Mount Diablo Amateur Radio Club

MDARC FIELD DAY CALL W6CX; 2M REPEATER WR6AHK; 220 REPEATER WR6ARG; MEMORIAL CALL SIGN W6LGW

Volume XXIX

May 1981

No. 5

EDITOR: Dick Squires, KA6JGP P.O. Box 23222, Pleasant Hill, Calif. 94523 Phone: 686-9040

| | | | | |
|-------------------------|---------|----------------|---------------------------------------|----------------|
| President..... | WB6NMU, | Bill Leopold | 2234 First St., Benicia, CA94510(707) | 745-6200 |
| Vice-President..... | WB6TEE, | Don Peattie | 2417 Lomond Ln., Walnut Creek, CA | 94598 935-2636 |
| Secretary..... | KA6AOC, | Dee Koester | 438 Diablo Court, Martinez, CA | 94553 228-8727 |
| Treasurer..... | KT6X, | Dick Brown | 4125 Sacramento St., Concord CA | 94521 687-9048 |
| Emergency Coordinator.. | WA6OFI | Dave Greenhill | 188 Brown Drive, Pacheco, CA | 94553 686-6657 |
| Board Member..... | WA6GON | Doug Smith | 1369 Tree Garden Pl., Concord, CA | 94518 unlisted |
| Board Member..... | K6XC | Ron Luttringer | 440 Diablo Court, Martinez, CA | 94553 229-3987 |

This edition is not copywrited. It is OK to quote from us, provided credit is given. Thank You!

Next Board Meeting at: C.C. County O.E.S. Building, 50 Glacier Dr., Martinez, May 18, 8 P.M.

DEADLINE FOR THE NEXT ISSUE: Articles, Classified Ads, etc. by MAY 31, 1981.

MDARC GENERAL MEETING
APRIL 20, 1981

QTH: Contra Costa Water District.

The meeting was called to order at 8:13 by our President. Bill Leppard, WB6NMU.

Visitors were introduced and welcomed with a hearty round of applause.

Upgrades were Ted Armstrong, WA6LCL to Tech. N6DQL, Joe Bisauta to Advance and WA6GFT Joe Lesniewski advanced. CONGRATULATIONS!

M.M.S.P. that minutes be approved as printed in CARRIER.

Announcement was made that Terry Ulch, N6CFH is in I.C.U. at Veterans Hosp. Mart. Larry Archibald, W6JLE is also in serious condition at Kaiser, Oakland. We all wish you both well.

Vice President Don, WB6TEE said there is a 90 percent possibility that Roy Neal, K6DUE will be our speaker for May.

Treasurer Dick KT6X said that we have approximately \$2500.00 in checking and savings. Total netted from Auction was \$243.00. Membership rate for ARRL will be raised to \$25.00 per year, so best time to renew is now and DO SO THROUGH THE CLUB.

Emergency Coordinator Dave, WA6OFI announced a simulated multi car accident would take place on Tuesday April 21, Several local hospitals would be involved. Spring S.E.T. May 9.

Public Service Dave is in need of operators for April 26. Three events will take place that day.

Awards: Doug WA6GON collected \$41.00 worth of cans for Feb., and he is still collecting, Lets all help! SAVE THOSE CANS

CARRIER printer Doug W6KLM REPORTS All going well.

Door Prize Chairman Joe WA6DQN reports about \$80.00 taken in.

Dave WA6OFI reminded us that operators are needed for 100 mile bike race. May 3rd.

Membership Chairman Warren Peterson said we have 236 members at present, and many thanks to Nancy and Ryan Hodgson KA6IZI and KA6IVG for their fine work on membership cert.

Public Relations Chairman Dick Squires KA6JGP reports All going well.

Field Day Chairman Don W6EEN said there would be a field day meeting Thursday April 23. Field day this year will be much more relaxed. Ron K6XC will be Band Captian for 40 meters and Rick Kesco NA6Q will take 10 and 80 meters. Field day will be last full week-end in June.

Don WB6TEE introduced our Speaker for the evening. Steve Andrews who gave a very informative talk on Nicad Batteries. Don presented Steve with a lovely certificate of appreciation.

M.M.S.P. to adjourn at 10:13

Respectfully submitted Dee Koester, KA6AOC
Secretary

MDARC BOARD MEETING
April 21, 1981

QTH: OES- 50 Glacier Dr. Martinez.

Meeting was called to order at 8:19 by our President Bill Leppard, WB6NMU. Board members present were Don, WB6TEE, Dee KA6AOC, Dave WA6OFI, Ron K6XC and Doug WA6GON. Members present were, K6IMV Parky, Doug W6KLM, Chuck WA6MWU. Joe WA6DQN, Hank W6JHY, Wendell K6POU, Cecil N6EBQ, and Dick KA6JGP.

Correction to minutes: Date for March of Times Walk-A-Thon should read April 26.

M.M.S.P. Minutes approved as corrected.

Discussion took place on need of a CARRIER editor and Dick Squires KA6JGP volunteered to take on the job and Hank W6XHY offered to assist.

M.M.S.P. That Dick KA6JGP be accepted as CARRIER editor.

Unfinished Business: By-Law about half completed. Club History will be completed before July 1981. Audit still to be taken care of. Directory is in its final stages of completion by Steve Overacker.

Treasurer: Total in checking and savings is \$2,627.65. The Auction in March netted the club \$245.00. A total inventory of club property will be made by treasurer.

Repeater: Wendell Peterson K6POU informed the Board of a new repeater on Sunol Ridge on 7.045 causing malicious interference. Cecil N6EBQ said that WR6AHK will be completed in two weeks.

M.M.S.P. Giving Cecil N6EBQ permission to file a protest to those concerned with the 7.645/045 unsanctioned repeater.

Suggestions made that an explanation of "Operation Skywatch" be printed in the May CARRIER.

Vice-President Don WB6TEE said that the May meeting will be devoted to Field day preparation.

Discussion took place concerning the \$125.00 Donation. It was tabled until next meeting or when Dick KT6X- treasurer could be present.

Emergency Coordinator: Dave WA6OFI said there will be an S.E.T. on May 9 at 8 A.M.. Three public service events will take place on April 26.

Jose Lopez presented to the board the possibility of starting a Kaiser Employees Amateur Radio Club.

M.M.S.P. That Jose and club secretary get together and write a letter of support and assistance.

Awards: Doug WA6GON has \$41.00 from aluminum cans and wants it to be used solely for the awards program.

Prize Chairman: Joe WA6DQN reports that we have a total of \$158.58 with \$77.00 taken in and \$91.00 Spent.

Continued on page 3

The President's Corner....

Here it is May, already. Field day is only one short month away. The long line for voluntary operators can begin behind me, the 40 meter band captain. Other band captains will be: Dick Squires, novice, Rick Kesco, 10 and 80 meters. Ron Luttringer, 15, Don Doughty 20 meters and Paul St John will run the VHF portion of the show. So pick your band and see the leader. A good time should be had by all.

Terry Ulch(N6CFH) is back in the hospital. Dee Koester(KA6AOC) has been a very faithful visitor, but Terry would like to see more of the rest of us. A day can be long and lonely in a hospital. So why not use your gift of gab to cheer-up a fellow club member.

Roy Neil will be unable to speak at the May meeting, but he did say that he would try to make a meeting later this year if he is in the area again.

Larry Archibald, who has been a club member since the beginning and also ran the Tech Forum on Thursday night, lost his battle with cancer and past on last month. He was a very loyal and active member of this club and he will surely be missed.

73's
Bill WB6NMU

PUBLIC SERVICE ACTIVITY NEWS

On Sunday, May 3, 1981, several club members worked with a group of amateurs from Fremont and vicinity to provide communications for the Cherry City Cyclists Jubilee bicycle races. The cyclists had three courses, 25km, 100km, and 100 miles, all starting and finishing at Chabot College in Hayward. The two longer courses wound through the hilly roads of central Alameda and Contra Costa Counties. Nearly 500 cyclists participated.

The communications nets were organized by Hal Franklin, WA6CCM; who acted as Net Control. Dennis Franklin WA6JVZ and Joe Gregory, WA6DQN served as relay stations; Frank Calton N6GQ, Jack Gott WA6KGI, Doug Lortsher W6KLM, Pete Southerland WD6DKW and John Widener WB6UMT manned check points along the routes along with Bill Schroeder WD6ADM and Dana Garceau WB6JDS of Fremont. Douglas V. Lortsher KA6DPW and Bob Pech KA6ECD of San Lorenzo provided mobile Sag Wagon service.

A last minute change of route to avoid conflict with the Danville Marathon along Diablo and Blackhawk roads caused slight confusion but our communicators found their stations in time to provide all needed service to the cyclists.

Board meeting-Continued from page 2

Field Day Chairman: Ron, K6XC Said there would be a Field day meeting April 23, 8 PM at L.F.S.&L. \$100.00 has been allotted for Field Day and will be put before the membership at the next General meeting for approval. A date was set by the Board for the club picnic as August 22, 1981 input from

club members pertaining to picnic would be appreciated.

Tech. net: Chuck WA6MWU is doing a great job in the absence of Jim WA2CEP. Orders will be taken at the next meeting for magnetic signs. Cost will be \$8.00 for one or 2 for \$15.00.

Hank Berriman W6ZHY presented the Board with slides of his 2 meter DXpedition to Germany with the idea of perhaps making it a club activity. Board suggested it be brought up at a General Mtg.

SILENT KEY - W6JLE

W6JLE, Larry Archibald, passed away after a long illness Sunday April 26th and a private graveside service took place at Oakmont Cemetery Tuesday following. Larry is survived by his wife Dal and his son Fred, WB6PBR.

Larry was a longtime ham, having been first licensed in the mid-thirties. He was an early member of the MDARC, joining at the second regular meeting in 1947. He was also a member of the Northgate Repeater Association, which operates WR6AYR located on the side of Mt. Diablo near Danville. Larry was active in the emergency services area and was most proud of his suitcase mobile which he operated at the Pleasant Hill police station during SET exercises. He and fellow club member Fred Clapp held the 420 mc dx record for a time for establishing two way between Lassen and Mt. Diablo in 1947. In recent years Larry re-activated and presided over the TECH FORUM which meets regularly on Thursday evenings on WR6AHK. He worked most of his career in the Electrical Engineering Department at the University of California at Berkeley, where he was involved as an instrument technician on various research projects. In later years he established and developed the Electrical Standards Lab at the University and gained considerable recognition for his contributions in that area. His many friends in the club and in the community will miss him very much.

Those interested in making a contribution to cancer research in Larry Archibalds name are invited to get in touch with me.

W6EEN

Due to the change in launching of Americas last orbiting unit that was such a huge success - it put our planned speaker K6DUE, Roy Neil, behind in his busy sked.

He was kind enough to call our Vice President to apologize for his inability to get to our meeting. But promised to try and work us into his pattern the next time he orbits in our direction.

SHORT CURRENTS
by C.W. Morse

On the waves:...WD6GKF heard in QSO with KB6NC, "Ethan I've got a whole bunch of old highway flares at least seven years old. Do you think they are still good?" Ethan replies, "You can try one. Oh after a year or two I'd just throw them into the fireplace." (I suspect home owners insurance for amateurs may go up soon...CW)

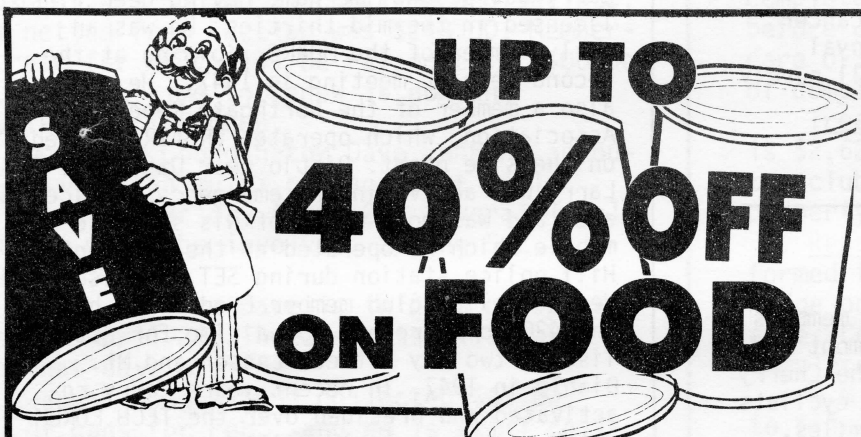
WA6GON, Doug recently assigned his cat the honorary call sign YVØNNE. He made her an honorary ham because of her tremendous flea power. He says he can feel her signal everywhere he goes. Doug expects to leave Yvonne home this October (and out of range) when he visits DJØQN in Germany. Another club member to DX!

W6KLM and family hit the Yosemite trail on vacation in April. Doug and XYL Florence should have had no trouble bearing that trip. Look for a complete report at the May club meeting.

Special recognition to Ron, WB6JGV. Ron has gone two plus years without signing his amateur call sign on police radio and vice-versa.

Dick "WIHMT" Squires, KA6JGP now holds the respected position of Carrier Editor. No more bad things to say about the way the club treats its novices now! Parky's solution to the whole situation, "Why don't you just upgrade!" A lot of wisdom in that actually.

WA6HAM, Steve Overacker is busily working on the club roster hopefully to be published in the next couple of months. Don't drag your heels if you have some address or phone number changes to make.



Dry & Canned Dog & Cat Food, Soap, Cereals, Facial Tissue, Paper Products, Canned Foods and Much, Much More.

Now you think, "What's the catch?"

Two main factors enable us to save you so much.

1. Cannery overruns and seasonal surpluses.
2. By purchasing some items that are cosmetically scratched or slightly dented.

But don't go on our word alone. Come by and look at what we can offer you in real savings. Then judge for yourself.

CAN-O-RAMA

IS THE

Canned Food Warehouse

5702 Marsh Dr., Pacheco

682-2398

All items limited to floor stock, limited items in most products.

What is it like to be a NET Control station and suddenly discover your NET participants have all mysteriously disappeared? Ask Chuck WA6MWU. It seems Chuck was covering the TECH FORUM On 66/06 one lazy Thursday eve and found at 8:35 PM everyone had vanished! You know what they say on two....Oh well.

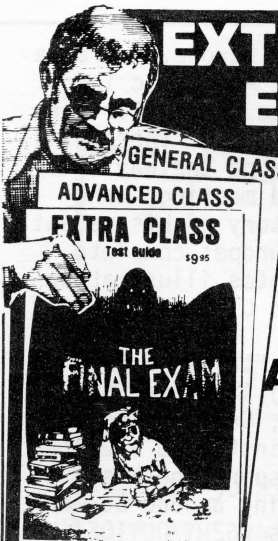
Speaking of NETS..The RACES/ARES NET meeting Thursdays at 8:30 PM on 146.43 MHz is attracting lots of check-ins. Its the place to be if you want to be kept informed on area emergency activities. Those of you who need to corner one of the EC's for info can find them on the NET.

K6UGS, Vern is at work on his new est antenna project. Vern's new creation is a UHF helix for OSCAR work. If its as good as his quagi he'll have one of the loudest signals on the satellite.

KD6DY, Joe looked very smart on his Kawasaki during the April 26 Run for Life. Joe sported the bright yellow club jacket and hat traveling the entire route from start to finish providing emergency comm. Jack WA6KGI tirelessly manned the

Net Control station. Jack was a very sharp and diplomatic Net Control. Those walkers were the most protected citizens anywhere in the world. Concord PD had every police motorcycle unit on duty as well as numerous reserves, cadets and explorers.

**EXTRA!
EXTRA!
EXTRA!**



**Upgrade To
General
Advanced Or
Extra Class
Easily With:**

THE FINAL EXAM
Available At Your Dealers or Direct
\$9.95 each (Include \$1.50 for postage & handling)
Please specify General Class, Advanced Class, or Extra Class copy
when ordering.

Bash Educational Services
P.O. Box 2115
San Leandro, CA 94577
(Dealer Inquiries Invited)

Don't look now, but the FCC is on the verge of a proposal which could, if adopted, have great impact on Amateur Radio and DXing. First, FCC proposes to deal with the many requests for a code-free license by creating an Experimenter class license. . . "for serious experimenters." They say the written examination requirements will be "substantial." No mention is made of the frequencies or modes to be allowed, but international law forbids (at present) a no-code license below 144 Mhz. That will change in 1982, as a result of the WARC, to no-code licensees allowed 30 Mhz and above. It is expected that this would be a phone-only license, possibly allowing for other more exotic modes also. Now comes the kicker: as the FCC is under ever increasing budget restraints, and as the "Experimenter" license would take some of their funds, FCC is

"proposing that the 20 word per minute telegraphy test required for the Amateur Extra Class license be deleted. (They) believe that the need for an expert telegraphy test may be less important to the future of Amateur Radio Service than the need for a no-code experimenter operator class license."

This is for real! It is also a scoop for TDXB. The only difference between Advanced and Extra Class would be one written exam element (4B). Look for an official release of this from FCC any time.

(The DX Bulletin

5

Ham Radio Outlet

999 Howard Avenue
Burlingame, CA 94010

(415) 342-5757

Hours: 10 AM to 5:30 PM Monday—Saturday

HAM RADIO OUTLET
999 HOWARD AVENUE
Burlingame, CA 94010

2811 Telegraph Avenue
Oakland, CA 94609
(415) 451-5757

Hours: 10 AM to 5:30 PM Monday-Saturday

IN STOCK
KENWOOD TS-830S
KENWOOD TS-130S
KENWOOD TS-530S

ARC DEVIATION METER
ON SALE \$99.95

ARC #324, TR-2400 AUTO CHARGER,
AUDIO AMP, R.F. AMP
30 WATTS OUT
PROVISION FOR EXTERNAL MIC.

TR-2400...\$359.95
TR-7800...\$359.95
TR-9000...\$449.95
TR-7850...\$427.95
NEW!! TR-8400 UHF SYNTHESIZED
CALL FOR PRICE!

VOCOM 5/8 λ 2Mtr Mimi-Duckie
In Stock

ICOM 2AT)
ICOM 2A) IN STOCK
ICOM 720A)
ICOM 730 CALL FOR DELIVERY INFO

OUR ONLY BUSINESS IS HAM RADIO!

STORE HOURS: 10 A.M. TO 5:30 P.M.
Monday thru Saturday

HAM RADIO OUTLET STORES
HAVE THE LARGEST
AMATEUR RADIO INVENTORY
IN NORTHERN CALIFORNIA

Field Day

The second in a series of three Field Day "get organized" meetings was held on Thursday April 23rd and the turnout showed there is still interest in the traditional ARRL Field Day. The game plan this year calls for each band captain to be running his own show in the 200 watt category. We will most likely operate in the 5 transmitter plus Novice category from the top of Mt. Diablo. Set up and party are planned for Friday June 26th, the actual contest is from 11am Saturday the 27th to 11 am Sunday the 28th. We plan to have a good time this year from the top of the mountain.

So far the following have committed to the bands as follows:

| Band | Band Captain | Crew |
|----------|--------------|--|
| 10m/80m | NA6Q, Rick | KA6AOC, WB6TEE, N6AJV, WBØYRD |
| 15m/160m | K6XC, Ron | KA6IVG, WA6TEZ |
| 20m | W6EEN, Don | KA6ECK |
| 40m | WB6NMU, Bill | KT6X |
| VHF | N6DN, Paul | WB6EZI, KA6IZI |
| Novice | KA6JGP, Dick | KA6GFI, KA6NWP, KA6IXH, KA6EBM, KA6JJX, plus; Earnie Salmon, Pete Perata, Subrata Sen, Lou Southerland, Doyle Johnson- |

Watch out for this team-They have a secret weapon.

K6XC & W6EEN, Co-chairmen

M D A R C MEMBERS DX PEDITION

What! Where? How-----?

Sure, why not? Other HAMS and other Clubs have done it. See another part of this world. Have fun talking to friends back home. Sometimes don't you feel a tiny bit of envy for those HAMS bold enough to travel to a distant QTH and put a "rare country on-the-air"?

So you're not a DX chaser or QSL collector. Don't care much for "pile-ups", but, still-----wouldn't it be great to be on the other end for a change and actually BE the DX station?

Think about it. If just a few of this "gang" would join in and give it a try, it might be the Ham Radio Experience of a Lifetime.

Surprise! It really can be done. We can do it. Our own MDARC Group. Members of this club! How about W6CX/HBØ--or W6CX/GD even 3A or LX. Ever hear of San Marino (M1)? And

those are the easy ones in Europe. Prefer a tiny Pacific Isle or maybe Antarctic ice; perhaps those are a bit too rugged for the XYL. Sure, bring her along, too. There will be plenty to see and do along the way.

At a recent MDARC Board meeting, Hank Berriman, W6ZHY, told a story of his recent experience on a trip to Europe; complete with some of his slide photos illustrating what another Amateur Radio Club has been doing as an annual event.

Hank and his XYL, Kay, "threw" a FIT (Foreign Independent Tour) last year and flew to Frankfurt am Main, Germany where they rented a small car, installed a 2meter FM rig and Mag Mount and spent the best part of May and June driving around Germany, Austria and Switzerland as W6ZHY/DL (OE)(HB) mobile. His pictures and QSL's prove how great it was. The big surprise came when Hank got an invitation via a 2m QSO to join the Wiesbaden A.R.C. at their DX pedition site in tiny Liechtenstein (HBØ). He and Kay were "talked in" to the site on a ski hill near Vaduz and spent the afternoon there. Take a look at his DA1WA/HBØ "eye-ball" QSL card sometime.

Now, if the Wiesbaden Club could do it, don't you know we could, too!

Lots of planning would be needed, licensing, travel arrangements, car rentals, lodging,

passports, HF gear(Your own) VHF, power needs (220 v In Europe). Shall we get started?

Who wants to go? (no limit) Where shall it be? Start talking with Hank. He wants to go again. Also he got bit by the travel bug so bad he is taking treatments(classes) to become a Travel Counselor. If it sounds good to you, lets hear your ideas. It takes up to 90 days to obtain reciprocal licensing and that's just the first step.....to a beautiful experience.

See the next issue for details on foreign operations.

Hank- W6ZHY

SHORT SHOTS

N6AIW-Dale Piedfort has a new call-KB7UB

N6CFH-Terry Ulch, Reported in need of get well cards-He is in Veterans Hospital, Mart.

Those slick magnetic stick on signs will be available on a pay now,-for later delivery, basis in May \$8.00 each or two for \$15.00 Great P.R. on Public Service work-every member should carry them in their car for quick application.

Don't know of any active Hells Angels in the club-but we should keep an eye and ear on Joe, KD6DY and his Heaven's Devils.

THE BASE STATION

ICOM IC-2AT 2M Hand Held with TTP Hi or Low Power. Changable Battery Pack.
Now Available... \$269.50

ICOM BC-30 Stand up Charger..... \$69.00

ICOM BP-5 425 Ma Nicad Pack..... \$49.50

CASE for 2AT..... \$34.95

VOCOM - Extend the range of your H.T. Just like adding a 10 Watt Amplifier. Vocom 5/8 wave gain antenna, 10 dB better than, "Rubber Duckies". 144-148 MHz at 1.5 : 1 SWR - Tuned Base Loading Coil works as shock spring. 8" long collapsed, 47" long extended. BNC connector fits most portables. NOW IN STOCK.... \$24.95

AZDEN PCS-3000
Keyboard operation with detachable head. 142.000 to 149.995 MHz - Hi or Low Power 8 Channel Memories - Scan Memories or whole band for Busy or Free Frequencies Remote frequency changing from the Mic, also listen to the input at the flick of a switch. With FREE TTP Kit and P.L.
INTRODUCTORY PRICE... \$339.95

-- HUNDREDS OF OTHER ITEMS IN STOCK---
--- PRICES SUBJECT TO STOCK ON HAND--

Support your local Ham Store
Save Time and Gas
Lots of Free Parking
SHOP IN CONCORD

The Base Station

2101 Pacheco St. Concord, CA 94520
(415) 685-7388

ComputerLand®

ComputerLand®

ComputerLand®

ComputerLand®

ComputerLand®

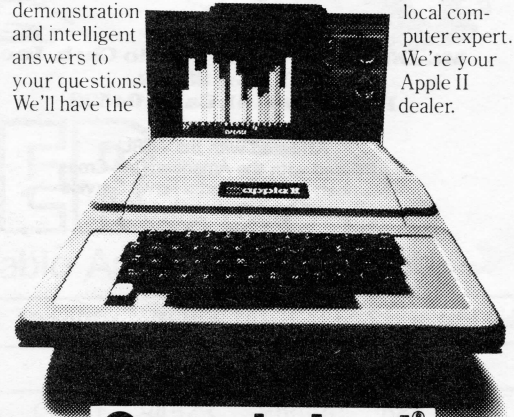
How to buy a personal computer.

There's only one smart place to buy a personal computer: from your local computer expert.

Look to your Apple® II dealer for efficient product demonstration and intelligent answers to your questions. We'll have the

software and peripherals you want in stock. And we'll be on hand when you need advice and service after the sale.

You can rely on your local computer expert. We're your Apple II dealer.



ComputerLand®

OF CONCORD

1701 Willow Pass Road
Concord, CA 94522
(415) 827-4985

ComputerLand®

OF WALNUT CREEK

1815 Ygnacio Valley Road
Walnut Creek, CA 94598
(415) 935-6502

See Russ-KA6BPN

ATTN: Mobile Hams Volt-I-Cator® ENDS BATTERY ANXIETY

If your battery is getting weak, find out before you get stuck! Volt-I-Cator detects your car's most common electrical problems—failing batteries, loose fan belts, defective regulators, corroded connections, bad alternators and ignition wiring.

Volt-I-Cator plugs into all car cigarette lighter sockets. Follow the simple steps included with the instructions and you can determine present battery condition, the efficiency of the car's charging system and even determine if the engine is out of tune.

Don't let a bad battery or a faulty regulator cause you trouble this winter. Check them now! Volt-I-Cator can be inserted in the cigarette socket of all cars, trucks, campers, RVs, motor homes, boats and airplanes using a 12V negative ground system.

Use Volt-I-Cator to give you a quick check and leave it in the socket indefinitely...ready for an instant reading. It draws no significant power from the electrical system.

Diagnostic Volt-I-Cator plugs into cigarette lighter to test

- ☒ Voltage Regulator
- ☒ Battery
- ☒ Alternator



SWIVELS FOR
EASY VIEWING

RUGGED CASE

WORKSHOP
ACCURACY

EASY-TO-READ
COLOR-CODED DIAL

\$16.45

(2 for \$27.95)

\$2.25 shipping & handling

1 Year Guarantee

CA add 6% tax.

50 years a ham

J&J Enterprises

PO Box 18 • Grass Valley, CA 95945 • Jim Allan, W6HSY

FREE TO GOOD HOME

VHF base station, GE PRE-PROG single channel. on 146.52. Manual available. Contact Doug WA6GON 1369 Tree Garden Place, Concord. You pick up.

WANTED: CARRIERS & QST

Copies of old Carriers wanted for collection. Any issues prior to 1975. Also QST prior to 1932. Contact Doug WA6GON

From:
Mt. Diablo Amateur Radio Club, Inc.
P.O. Box 23222
Pleasant Hill, Calif. 94523

Affiliated with the ARRL
Affiliated with the American Red Cross
Member: Amateur Radio News Service

FIRST CLASS MAIL